

Release notes for ENDF/B Development e-050_Sn_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-050_Sn_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Sn + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Sn [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Sn [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Sn + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Sn [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Sn1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 29184. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Sn2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4440.3 eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Sn2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4160.8 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Sn2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3926.8 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Sn3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 869.05 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Sn3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 753.36 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Sn3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 710.3200000000001 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Sn3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 503.57 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Sn3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 494.62 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Sn4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 142.81 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Sn4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 103.64 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Sn4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 95.8 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Sn4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 33.49 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Sn4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 32.39 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Sn5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 13.39 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Sn5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6.28 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Sn5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.77 eV!

• `xsectplotter` Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [2 more lines]